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		6		First Named Inventor	James T. Engli	sh S		
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	•	OTHER ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τº
Jaw	90	K. LAM et al. "A new type of synthetic peptide library for identifying ligand-binding activity" Nature, Vol. 354, No. 6348 (11/7/1991) pp. 82-84.	
ÿ	91	A. OLIPHANT et al. "Cloning of random-sequence oligodeoxynucleotides" Gene, Vol. 44 (1986) pp. 177-183.	
,	92	T. VALUEVA et al. "Kunitz-type proteinase inhibitors from intact and phytophthora-infected potato tubers" FEBS Letters, Vol. 426, No. 1 (10/4/1988) pp. 131-134.	
	93	S. BISHOP-HURLEY et al. "Phage-displayed peptides as developmental agonists for phytophthora capsici zoospores" Applied and Environmental Microbiology, Vol. 68, No. 7 (07/2002) pp. 3315-3320.	
ļ,	94	S. KAMOUN et al. "Resistance of Nicotiana benthamiana to Phytophthora infestans is medicated by the recognition of the elicitor protein INF1" The Plant Cell, Vol. 10, No. 9 (1998) pp. 1413-1425.	
	95	J. SCOTT et al. "Searching for peptide ligands with an epitope library" Science, Vol. 249 (7/27/1990) pp. 386-390.	
2	96	F. FELICI et al. "Selection of antibody ligands from a large library of oligopeptides expressed on a multivalent exposition vector" J. of Molecular Biology, Vol. 222, No. 2 (1991) pp. 301-310	
. `	97	S. BISHOP-HURLEY et al. "Selection of phage-display peptides that induce encystment of Phytophthora capsici zoospores in vitro" Phytopathology, Vol. 90, No. 6 (6/2000) page S7 XP001097159.	
	98	M. BORKOWSKA et al. "Transgenic potato plants expressing soybean β-1,3-endoglucanase gene exhibit an increased resistance to Phytophthora infestans" Zeitschrift Fur Naturforschung. Teil A, Physik, Physikalische Cheme, Kosmophysik Verlag Der Zeitschrift Fur Naturforschung, Turbingen, DE, Vol. 11, No. 53 (11/1998) pp. 1012-1016.	
Ą	99	International Search Report issued in analogous Application No. PCT/US01/11630 dated 08/29/2002.	

Examiner Signature	T. Wesserd	Date Considered	5/1/03	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached or place an "A" here if English language abstract is attached..

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			U	.S. PATENT	DOCUMENTS				
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Notice	75	ARAP 6	et al., (1998) <i>Scie</i>	nce, 279:377-3	80				
-tales	76	DEACC	N AND DONALD	SON, (1993) M	lycol. Res., 97:1153-1171				
	77	GRIFFI	TH et al., (1988)	Arch. Microbiol.	, 149:565-571				
	78	GUTTE	, B. (1995) <i>Peptid</i>	des: Synthesis,	Structures, and Applications, Academ	nic Press, pp.56-61.			
	79	HEALY	HEALY et al., (1995) <i>Biochemistry</i> , 34:3948-3955						
	80	KOIVUI	KOIVUNEN et al., (1994) J. Cell Biol., 124:373-380						
<b>V</b> .	81	KOIVUI	NEN et al., (1993	) J. Biol. Chem.	, 268:20205-20210				

Signature T. Western Considered 5/1/03

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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				Group Art Unit	164	
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Sheet	2	of	2	Attorney Docket No.	UMO 1521.1	0

-tew	82	MILAGA et al., (1995) Methods in Plant Molecular Biology, Cold Spring Harbor Laboratory Press, pp.37-42	
	83	MORRIS et al., (1998) <i>Plant Physiol.</i> , 117:1171-1178	
	84	O'NEIL et al., (1992) <i>Proteins</i> , 14:509-515	
	85	PETRENKO et al., (1996) Prot. Engineering, 9:797-801	
	86	SUSI et al., (1998) <i>Phytopathology,</i> 88:230-233	
	87	TOTH et al., (1999) <i>Phytopathology,</i> 89:1015-1021	
	88	WARBURTON AND DEACON, (1998) Fungal Genetics Biol., 25:54-62	
*	89	ZIEGLER et al., (1998) Phytopathology, 88:1302-1305	

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	SC127			First Named Inventor	James T. English, et al.	
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TRW	1	4,458,0	66		Caruthers et al.		07-03-1984	
TRU	2	4,973,6	79		Caruthers et al.		11-27-1990	
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		F	oreign Patent Doo	cument				
Examiner Initials*	Cite No. <sup>1</sup>	Office	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)	Name of Patente Cited Do		Date of Publication of Cited Document MM-DD-YYYY	
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TRES	3	Ainley 6	et al., (1990) Plant	Mol. Biol., 14:	949		DECEIV	Er
ì	4	Altschu	l et al., (1990) <i>J.</i> A	Molecular Biol.,	215:403-410		NECEIV	F
1.	5	Back et	Back et al., (1991) Plant Mol. Biol., 17:9 AUG 2 2 200					
¥	6	Beauca	ge and Caruthers	, (1981) Tetrah	edron Lett., 22:185	9-1862	TECH CENTER 160	00/20
Examiner Signature		1.	Mussendo	7	Date Considered	5/1/03		

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation \( \frac{1}{2} \) in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet	2	of	5	Attorney Docket No.	UMO 1521.1	

+pw)	7	Becker et al., (1994) Plant J., 5:299-307							
i	8	Bower and Birch, (1992) <i>Plant J.</i> , 2:409-416							
•	9	Bytebier et al., (1987) Proc. Natl. Acad. Sci. USA, 84:5345-5349							
	10	Carlile, (1983) Phytophthora, Its Biology, Taxonomy, Ecology, and Pathology, pp. 95-107							
•	11	Casas et al., (1993) Proc. Natl. Acad. Sci. USA, 90:11212-11216							
Ţ,	12	Castresana et al., (1988) <i>EMBO J.,</i> 7:1929-1936							
η,	13	Christou et al., (1991) <i>Bio/Technology</i> , 9:957-962							
4	14	Coffey and Wilson, (1983) Phytophthora, Its Biology, Taxonomy, Ecology, and Pathology, pp. 89-301							
	15	Cregg et al., (1993) Bio/Technology, 11:905-910							
6	16	De la Pena et al., (1987) Nature, 325:274							
\	17	Doupnik, (1993) <i>Plant Dis.,</i> 77:1170-1171							
	18	English and Mitchell, (1988) Phytopathology, 78:1478-1483							
	19	Enkerii et al., (1997) Cari. J. Bot., 75:1493-1506							
,	20	Estrada-Garcia et al., (1990) J. Exp. Bot., 41:693-699							
,	21	Feinbaum et al., (1991) Mol. Gen. Genet., 226:449-456							
,	22	Fisk and Dandekar, (1993) Scientia Horticulturae, 55:5-36							
( )	23	Fisk and Dandekar, (1993) Scientia Horticulturae, 55:5-36  Fromm et al., (1990) Bio/Technology, 8:833-839							
, V	24	Gasser and Fraley, (1989) <i>Science</i> , 244:1293-1299							
1	25	Gordon-Kamm et al., (1990) Plant Cell, 2:603-618							
Examiner Signature		T. When Considered 5/1/03							

\*EXAMINER: Initial if reference considered, whether or not citation is no conformance with MPEP 609. Draw line through citation if not in conformance and not considered.

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Sheet	3	of	5	Attorney Docket No.	UMO 1521.1	

-tew,	26	Gough et al., (1999) J. Immunol. Me	ethods, 228:97-108					
r /	27	Griep et al., (1999) European J. Pla	nt Pathol., 105:147-156					
-	28	Hardham and Mitchell, (1998) Fung						
t	29	Healy et al., (1995), Biochemistry, 3	4:3948-3985					
	30	Heath et al., (1995) Can. J. Bot., 73	(Suppl.):S131-S139					
£.	31	Hickman, (1970) Phytopathology, 6	0:1128-1135					
	32	Horn et al., (1988) Plant Cell Rep.,	7:469-472					
	33	Jones et al., (1974) Phytopathology	, 64:1084-1090	•				
i di	34	Kares et al., (1990) Plant Mol. Biol.,	15:225-236	•	世卫			
	35	Khew and Zentmyer, (1973) Phytop	athology, 63:1511-1517	•	空点的			
	36	Koziel et al., (1993) Bio/Technology	v, 11:194-200		G 2			
ſ	37	Kuhlemeier et al., (1989) Plant Cell	1:471-478		CEIVE 0ENTER 1600 2900			
1	38	Lam and Chua, (1990) Science, 248:471-474						
Þ	39	Lipman and Person, (1985) Science	Lipman and Person, (1985) Science, 227:1435-1441					
,	40	Longman and Callow, (1987) Physic	Longman and Callow, (1987) Physiol. Mol. Plant Pathol., 30:139-150					
4	41	Luo and Wu, (1988) <i>Plant Mol. Biol. Rep.</i> , 6:165-174						
	42	Maxam and Gilbert, (1977) Proc. Natl. Acad. Sci. USA, 74:560-564						
2	43	Merrifield, (1963) J. Am. Chem. Soc., 85:2149-2154						
1	44 Morris and Ward, (1992) Physiol. Mol. Plant Pathol., 40:17-22							
Examiner Signature		T. Wesself	Date Considered	5/1/03				

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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TOW	45	Morris et al., (1998) <i>Plant Physiol.,</i> 117:1171-1178				
4	46	Murdoch and Hardham, (1998) Protoplasma, 201:180-193				
	47	Nicklen et al., (1977) Proc. Natl. Acad. Sci. USA, 74:5463-5467				
1	48	Ou-Lee et al., (1986) <i>Proc. Natl. Acad. Sci. USA</i> , 83:6815-6819				
-,	49	Page, (1996) Computer Applic. Biosci., 12:357-358				
,	50	Pasqualini and Ruoslahti, (1996) Nature, 380:364-366				
	51	Pasqualini et al., (1997) Nature Biotech., 15:542-547				
,	52	Potrykus, (1991) Annu. Rev. Plant Physiol. Plant Mol. Biol., 42:205-225				
	53	Rhodes et al., (1988) Science, 240:204-207				
-	54	Rosenfeld, (1999) Methods in Enzymology, 306:154-169				
7	55	Schulze-Lefert et al., (1989) <i>EMBO J.</i> , 8:651-656				
. 3	56	Smith et al., (1994) <i>J. Biol. Chem.</i> , 269:32788-32795				
	57	Smith and Scott, (1993) Methods in Enzymology, 217:228-257				
1	58	Smith, (1993) Gene, 128:1-2				
,	59	Somers et al., (1992) Bio/Technology, 10:1589-1594				
,	60	Stössel et al., (1980) Can. J. Bot., 58:2594-2601				
,	61	Thompson et al., (1994) Nuc. Acid Res., 22:4673-4680				
,	62	Toriyama et al., (1988) Bio/Technology, 6:1072-1074				
J.	63	Vasil et al., (1992) Bio/Technology, 10:667-674				
Examiner Signature	1	Date Considered 5/1/03				

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		•		Group Art Unit	1646
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Sheet	5	of	5	Attorney Docket No.	UMO 1521.1

TEW	64	Wan and Lemaux, (1994) <i>Plant Physiol.</i> , 104:37-48		
l l	65	Wang et al., (1992) <i>Bio/Technology</i> , 10:691-696		
,	66	Weeks et al., (1993) Plant Physiol., 102:1077-1084		
,	67	Weisshaar et al., (1991) EMBO J., 10:1777-1786		
,	68	Wilson and Findlay, (1998) Can J. Microbiol., 44:313-329		
ŀ	69	Yamaguchi-Shinozaki et al., (1990) Plant Mol. Biol., 15:905-912		
	70	Zentmyer, (1961) Science, 133:1595-1596		
,	71	Zhang et al., (1988) Plant Cell Rep., 7:379-384		
	72	Zhang and Wu, (1988) Theor. Appl. Genet., 76:835-840		
ļ.	73	Zhong et al., (1994) J. Biol. Chem., 269:24183-24188		
*	74	Zhong et al., (1993) Plant Cell Rep., 13:1-6	TE	
			RECEIVED  AUG 2 2 2001  TECH CENTER 1600/2900	

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